

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137385.D
 Acq On : 26 Feb 2024 15:06
 Operator : CG\JU
 Sample : P1538-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04

Quant Time: Feb 26 15:23:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

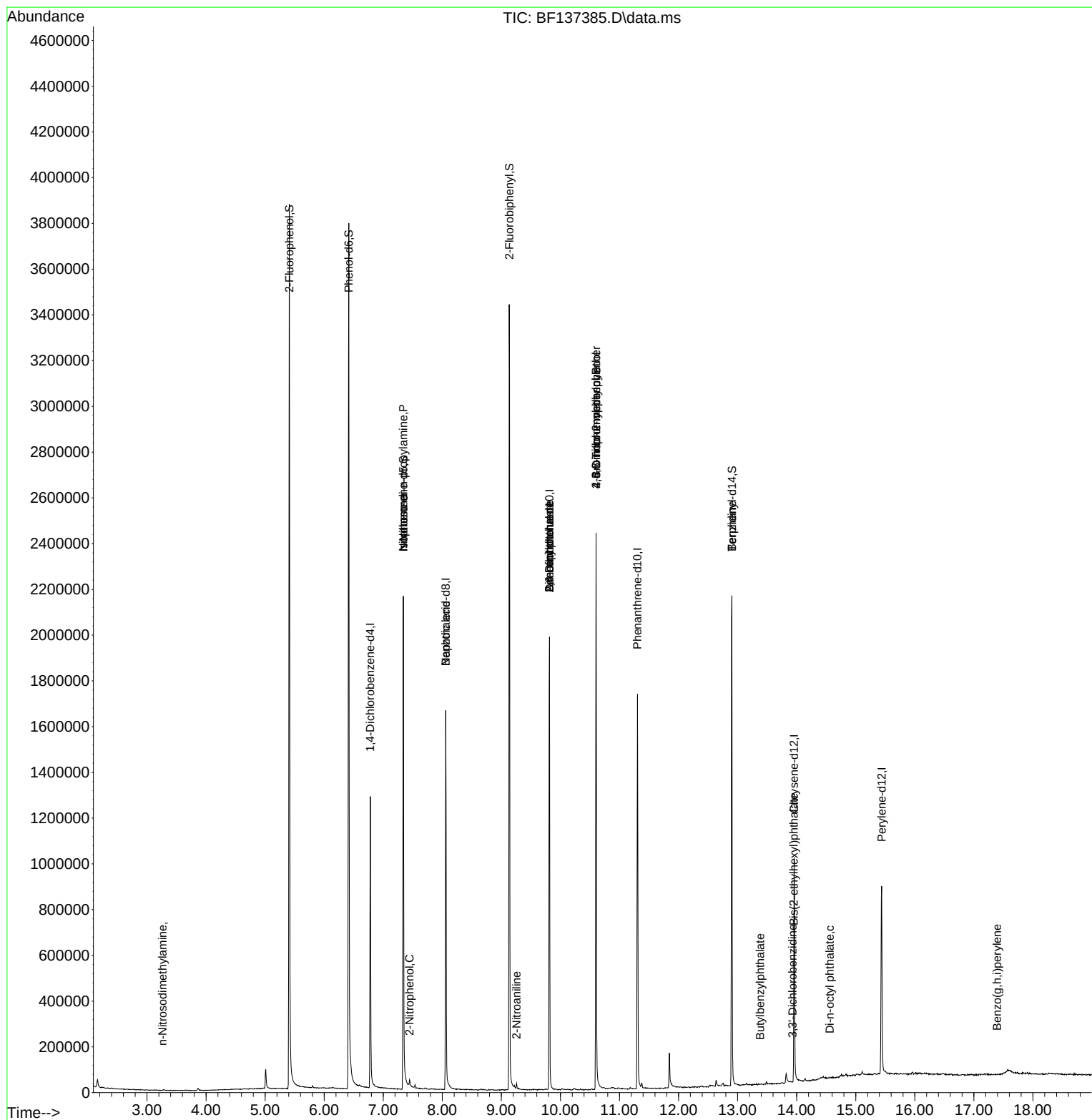
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	186333	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	724439	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	392517	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	602153	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	337150	20.000	ng	-0.02
86) Perylene-d12	15.439	264	377200	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1044122	86.464	ng	-0.02
7) Phenol-d6	6.416	99	1404894	79.088	ng	-0.02
23) Nitrobenzene-d5	7.339	82	712580	49.107	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	245527	71.832	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1073139	42.564	ng	-0.02
79) Terphenyl-d14	12.904	244	776326	32.206	ng	-0.02
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.263	42	614	5.193	ng	# 1
19) n-Nitroso-di-n-propyla...	7.339	70	90953	8.309	ng	# 84
25) Isophorone	7.339	82	712488	23.743	ng	# 69
26) 2-Nitrophenol	7.445	139	272	2.948	ng	# 33
32) Benzoic acid	8.057	122	146	6.969	ng	# 1
48) 2-Nitroaniline	9.257	65	453	4.306	ng	# 9
50) Dimethylphthalate	9.816	163	64977	2.396	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	51233	10.154	ng	# 26
57) 2,4-Dinitrotoluene	9.816	165	51233	8.916	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.604	198	660	4.709	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	17176	2.653	ng	# 1
77) Benzidine	12.904	184	9334	8.321	ng	# 93
80) Butylbenzylphthalate	13.380	149	117	4.013	ng	# 58
82) 3,3'-Dichlorobenzidine	13.933	252	262	5.076	ng	# 27
84) Bis(2-ethylhexyl)phtha...	13.951	149	1759	4.424	ng	# 87
85) Di-n-octyl phthalate	14.562	149	101	6.009	ng	# 63
92) Benzo(g,h,i)perylene	17.392	276	709	2.100	ng	# 33

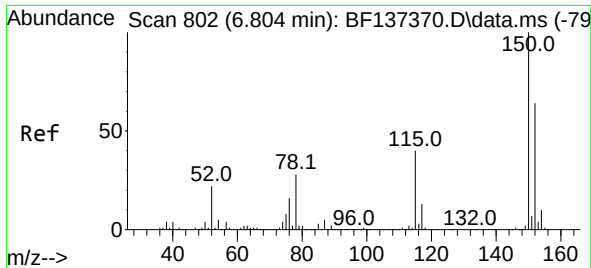
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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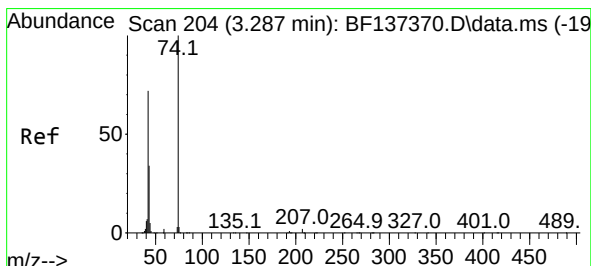
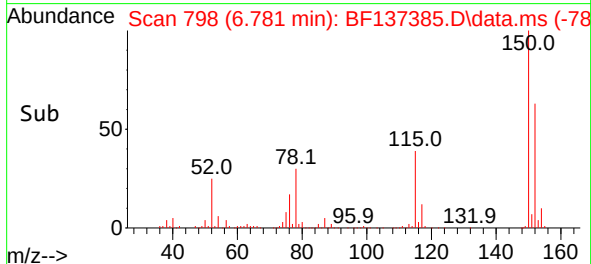
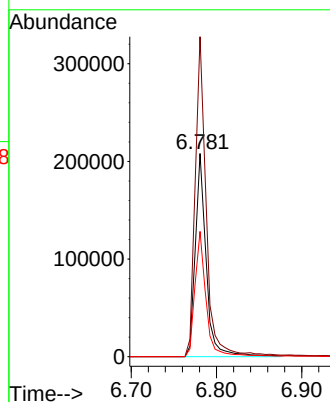
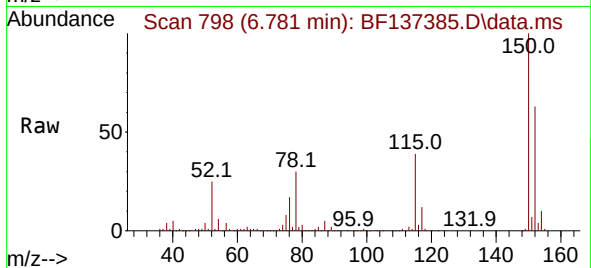




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

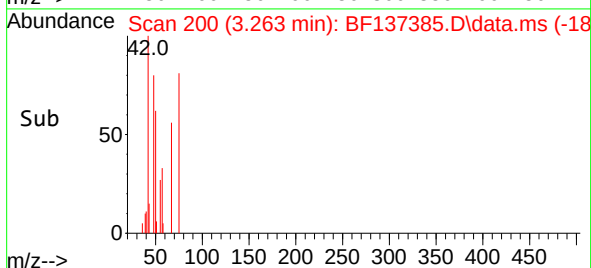
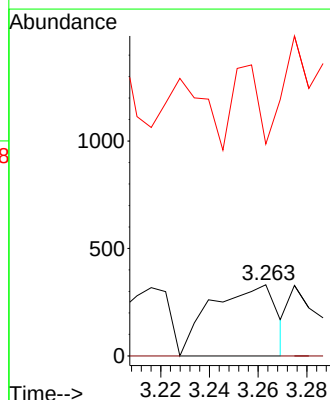
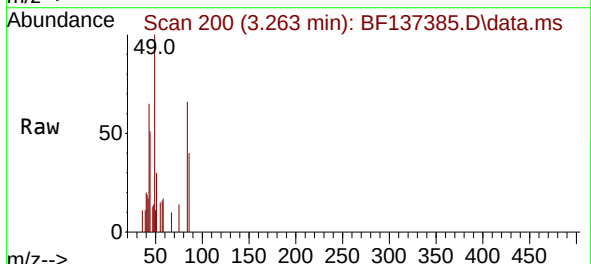
Instrument :
BNA_F
ClientSampleId :
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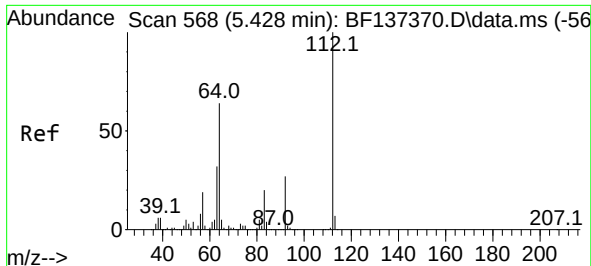
Tgt Ion:152 Resp: 186333
Ion Ratio Lower Upper
152 100
150 157.5 125.7 188.5
115 61.7 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 5.193 ng
RT: 3.263 min Scan# 200
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion: 42 Resp: 614
Ion Ratio Lower Upper
42 100
74 0.0 110.8 166.2#
44 297.9 6.0 9.0#

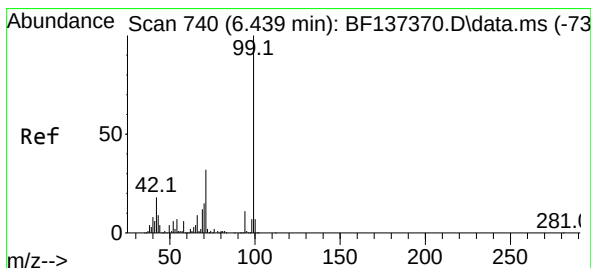
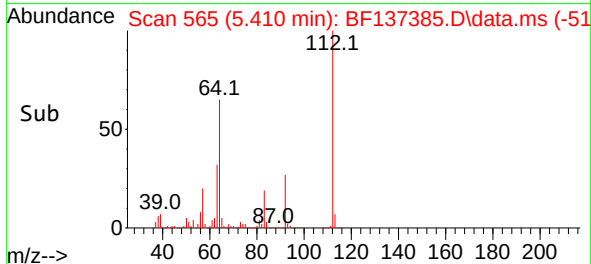
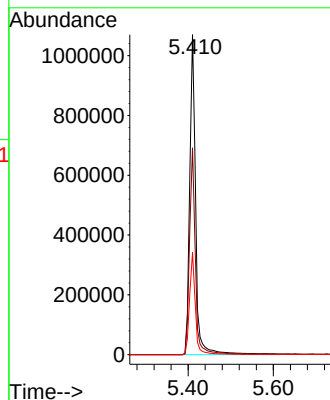
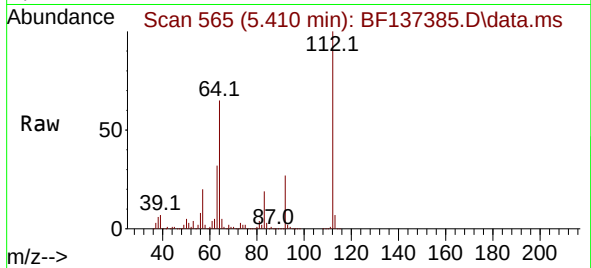




#5
2-Fluorophenol
Concen: 86.464 ng
RT: 5.410 min Scan# 509
Delta R.T. -0.018 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

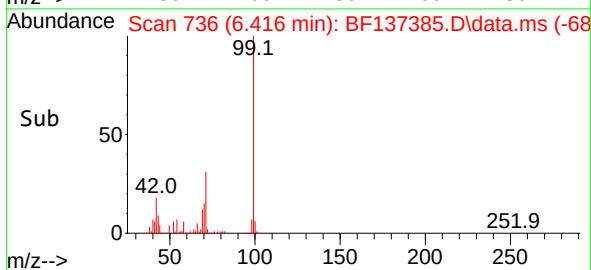
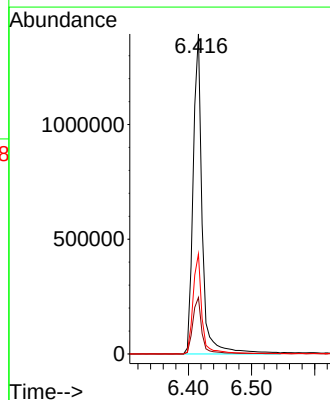
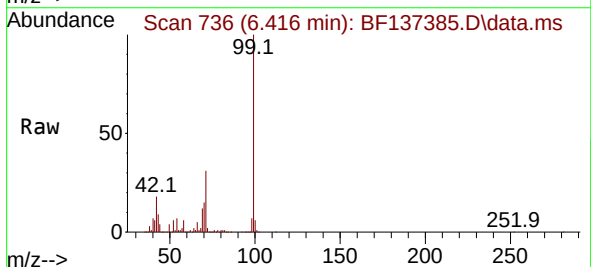
Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

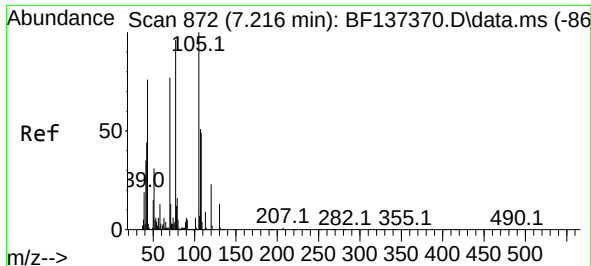
Tgt Ion:112 Resp: 1044122
Ion Ratio Lower Upper
112 100
64 64.6 51.0 76.6
63 31.9 25.7 38.5



#7
Phenol-d6
Concen: 79.088 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion: 99 Resp: 1404894
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 31.3 25.2 37.8

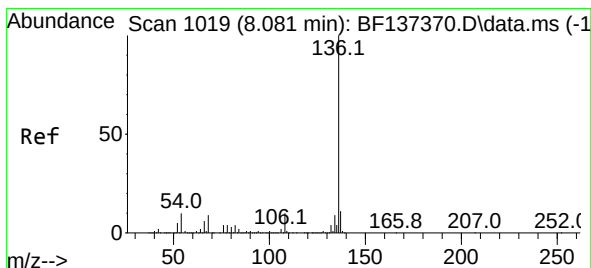
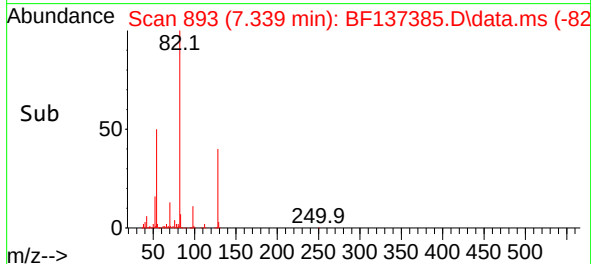
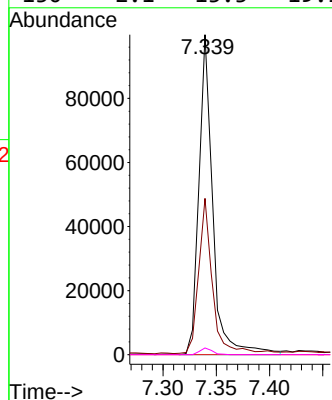
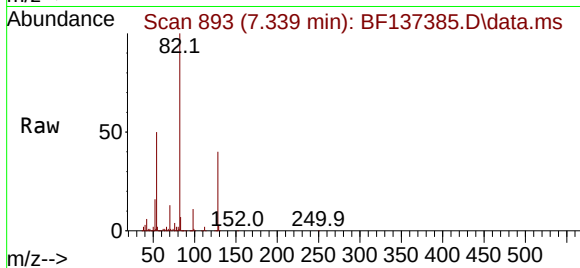




#19
n-Nitroso-di-n-propylamine
Concen: 8.309 ng
RT: 7.339 min Scan# 89
Delta R.T. 0.123 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

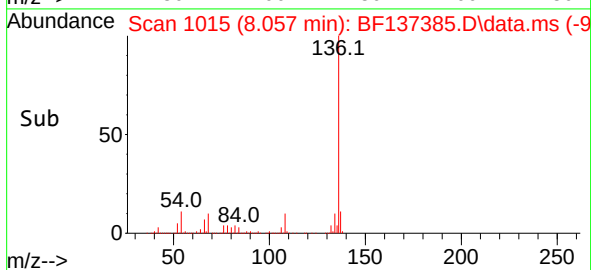
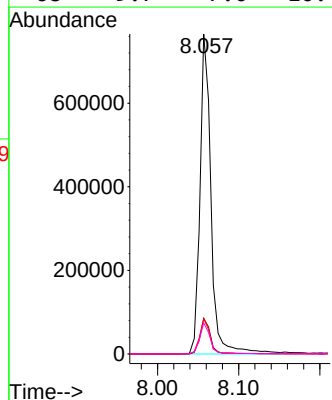
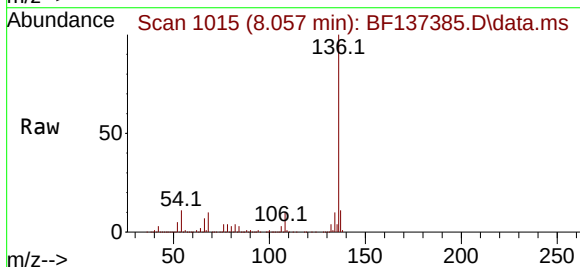
Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

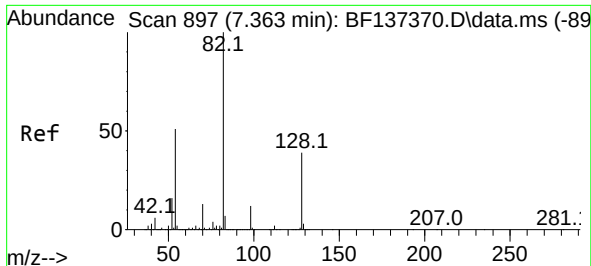
Tgt Ion:	70	Resp:	90953
Ion	Ratio	Lower	Upper
70	100		
42	48.9	45.3	67.9
101	0.0	6.5	9.7#
130	2.1	13.3	19.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:	136	Resp:	724439
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	11.1	7.8	11.6
68	9.7	7.0	10.4





#23

Nitrobenzene-d5

Concen: 49.107 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.024 min

Lab File: BF137385.D

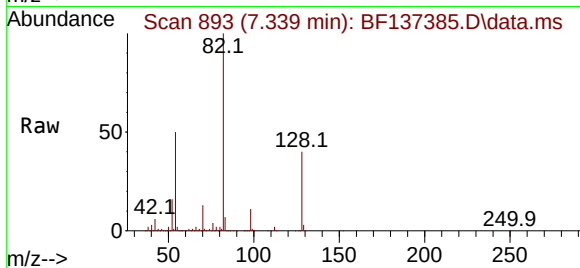
Acq: 26 Feb 2024 15:06

Instrument :

BNA_F

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04



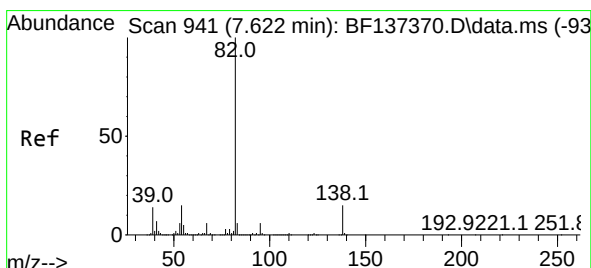
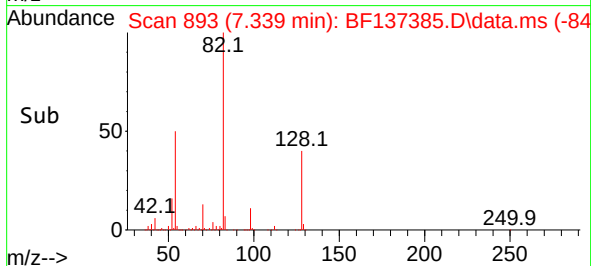
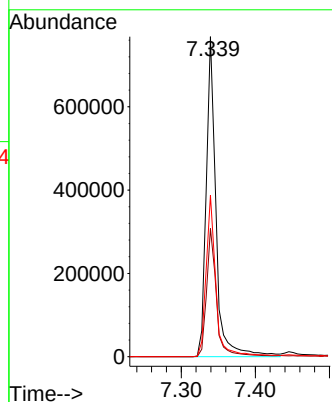
Tgt Ion: 82 Resp: 712580

Ion Ratio Lower Upper

82 100

128 40.1 30.8 46.2

54 50.5 40.8 61.2



#25

Isophorone

Concen: 23.743 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.282 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

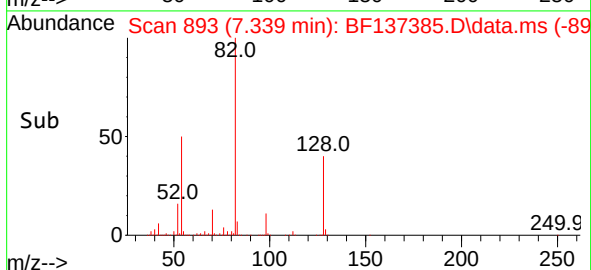
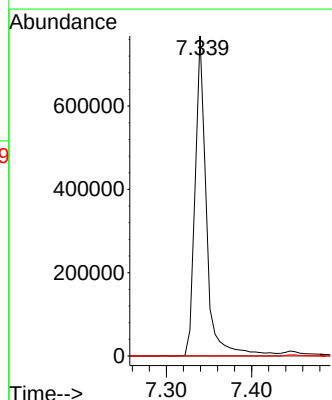
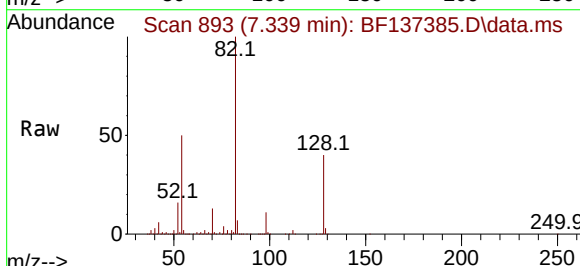
Tgt Ion: 82 Resp: 712488

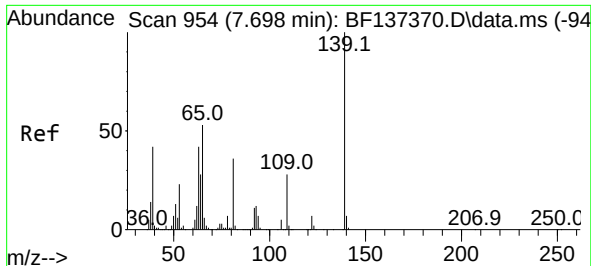
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.2 18.4#

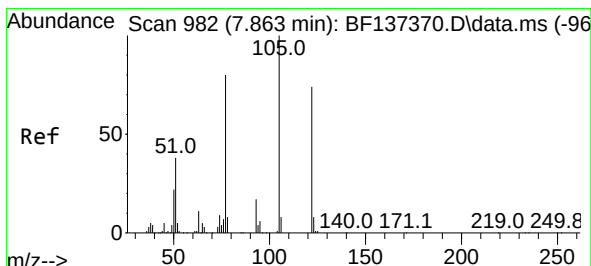
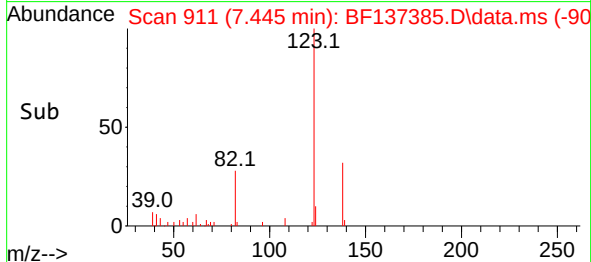
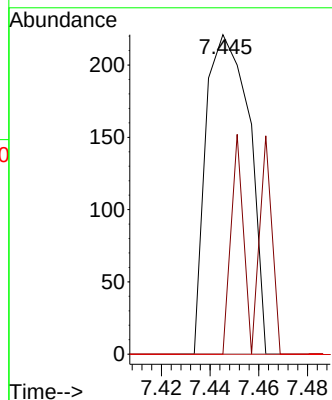
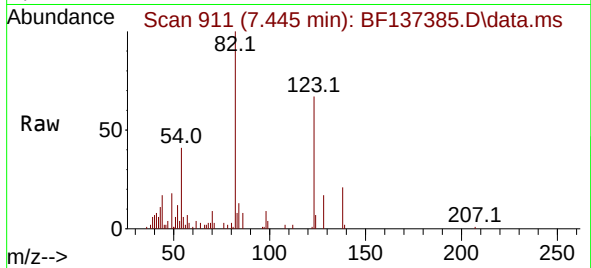




#26
2-Nitrophenol
Concen: 2.948 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.253 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

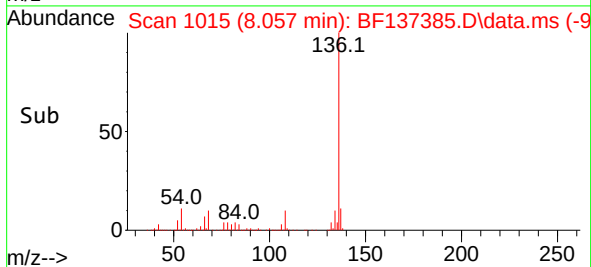
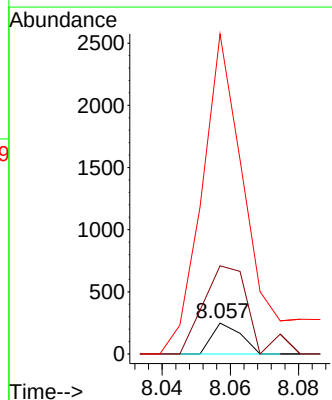
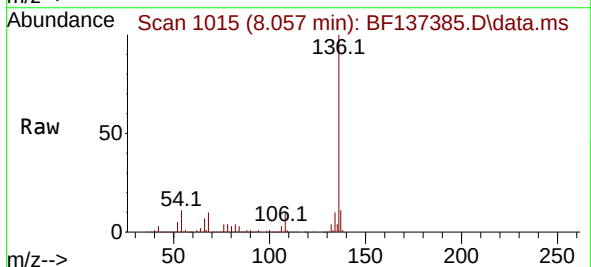
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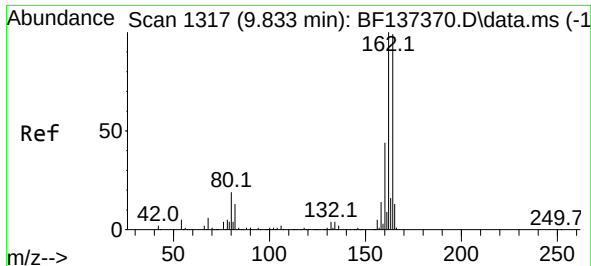
Tgt Ion:139 Resp: 272
Ion Ratio Lower Upper
139 100
109 0.0 22.5 33.7#
65 0.0 42.3 63.5#



#32
Benzoic acid
Concen: 6.969 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.194 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:122 Resp: 146
Ion Ratio Lower Upper
122 100
105 284.7 101.1 141.1#
77 1033.7 82.8 122.8#

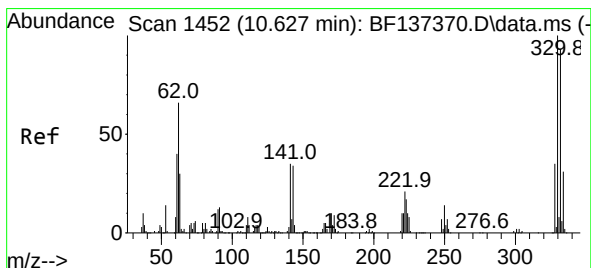
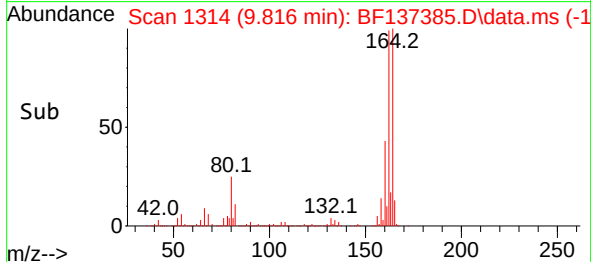
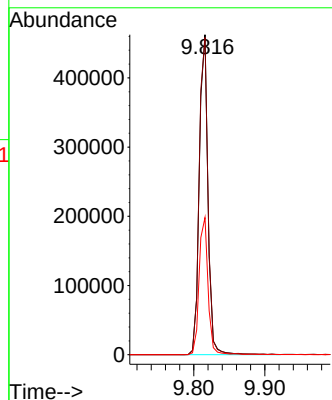
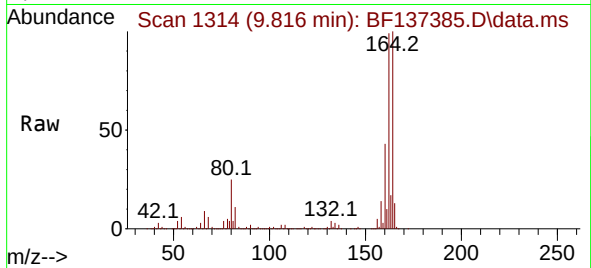




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

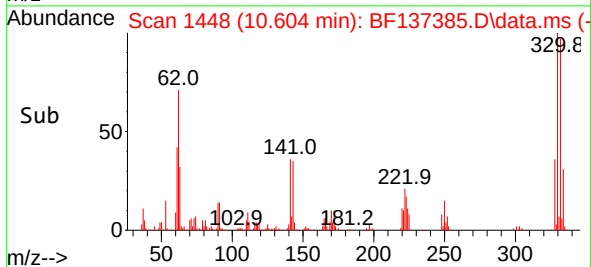
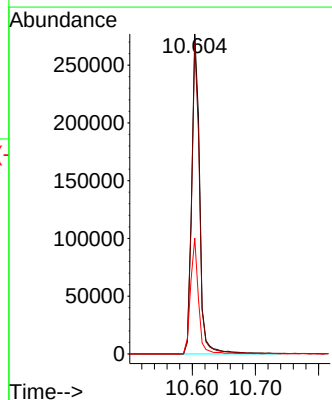
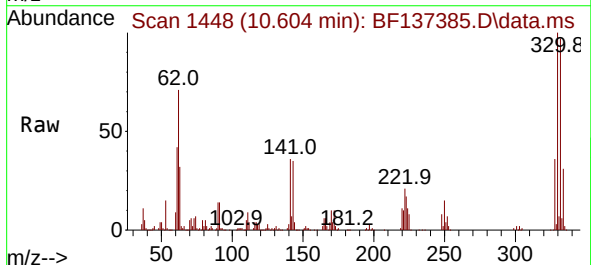
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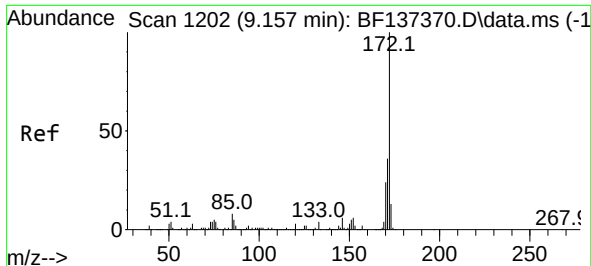
Tgt Ion:164 Resp: 392517
Ion Ratio Lower Upper
164 100
162 99.1 81.2 121.8
160 42.9 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 71.832 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:330 Resp: 245527
Ion Ratio Lower Upper
330 100
332 95.0 75.6 113.4
141 35.8 28.6 42.8

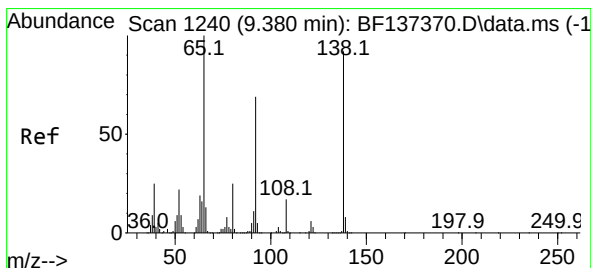
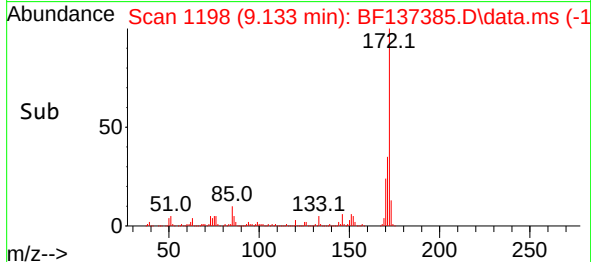
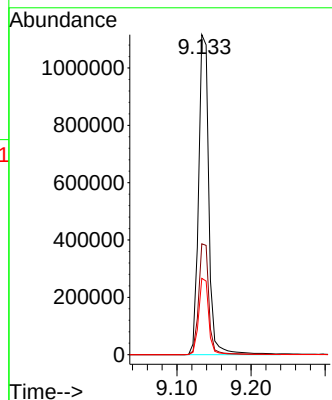
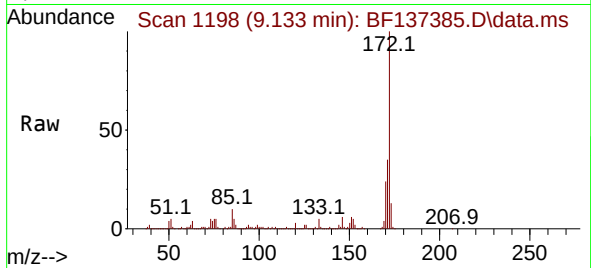




#45
2-Fluorobiphenyl
Concen: 42.564 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

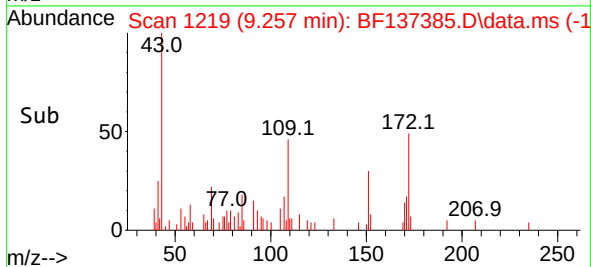
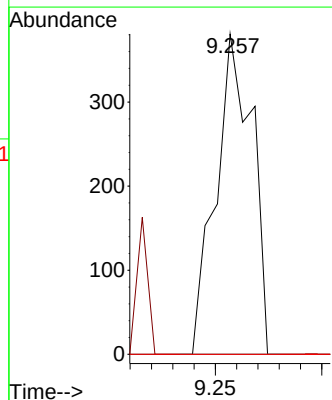
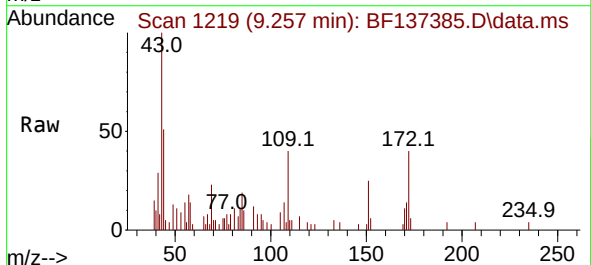
Instrument : BNA_F
ClientSampleId : 20241099-COMPOSITE-35N-N-4-04

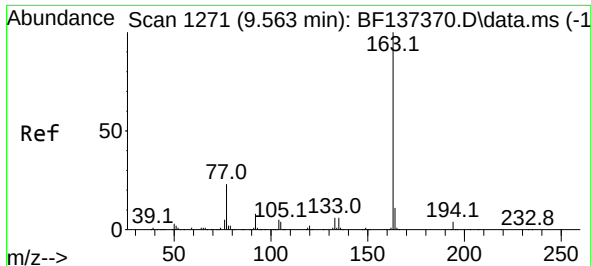
Tgt Ion:172 Resp: 1073139
Ion Ratio Lower Upper
172 100
171 34.7 28.7 43.1
170 23.9 19.5 29.3



#48
2-Nitroaniline
Concen: 4.306 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.123 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion: 65 Resp: 453
Ion Ratio Lower Upper
65 100
92 0.0 55.0 82.6#
138 0.0 73.7 110.5#

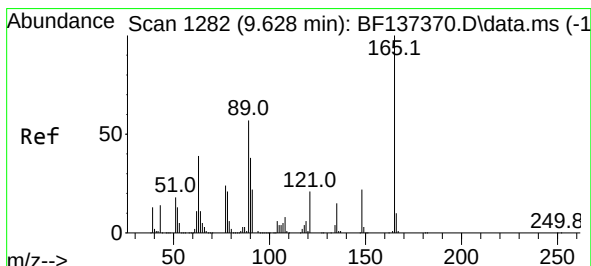
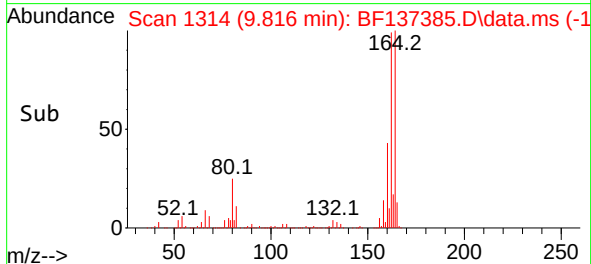
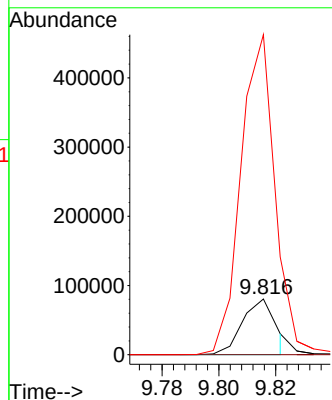
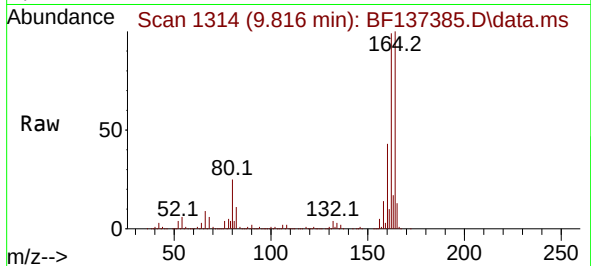




#50
Dimethylphthalate
Concen: 2.396 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.253 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

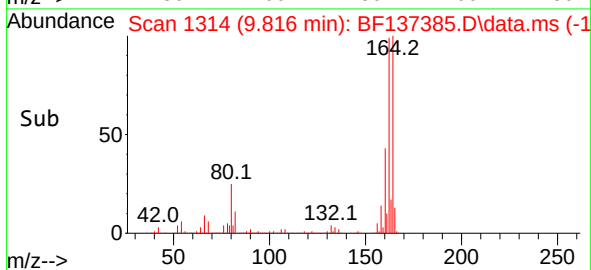
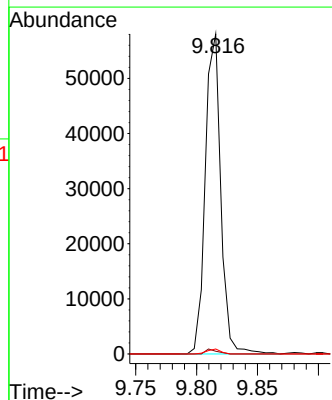
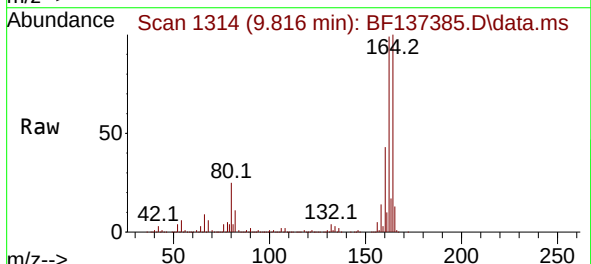
Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

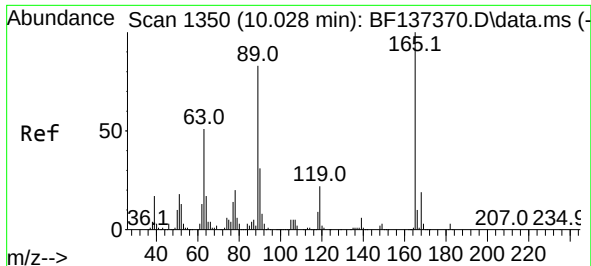
Tgt Ion:163 Resp: 64977
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 574.9 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 10.154 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.188 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:165 Resp: 51233
Ion Ratio Lower Upper
165 100
63 0.9 41.6 62.4#
89 1.5 45.8 68.6#

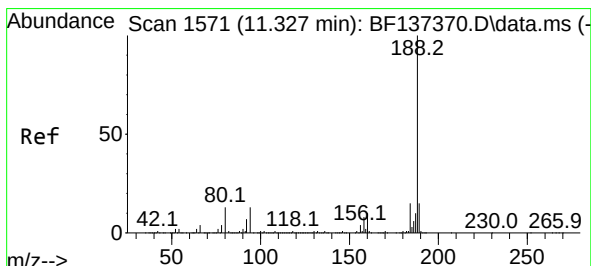
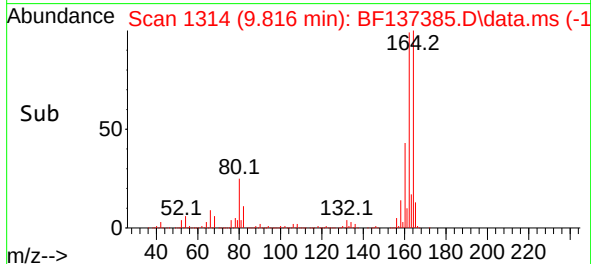
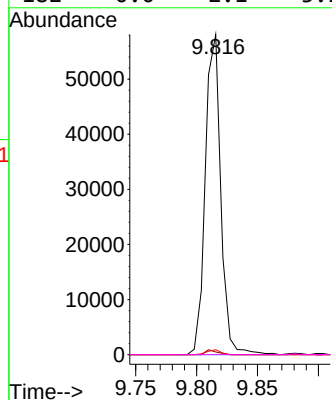
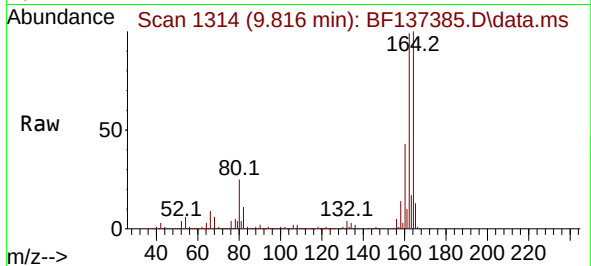




#57
2,4-Dinitrotoluene
Concen: 8.916 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

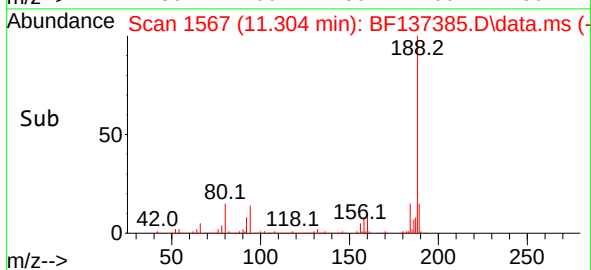
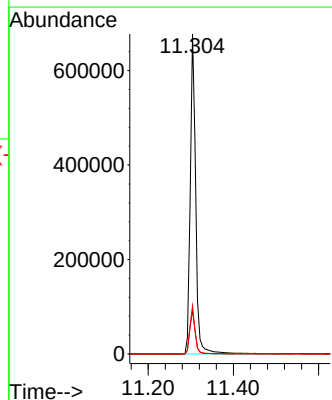
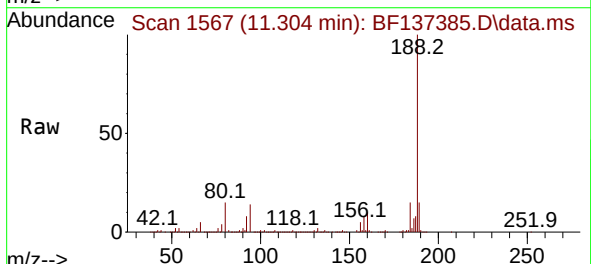
Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

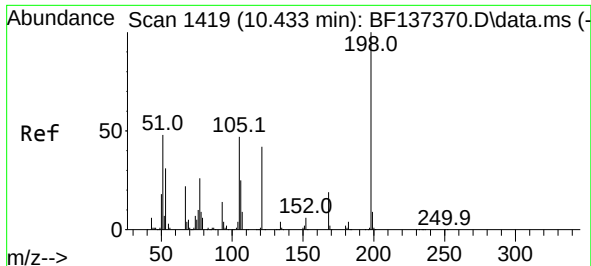
Tgt Ion:165 Resp: 51233
Ion Ratio Lower Upper
165 100
63 0.9 41.1 61.7#
89 1.5 66.6 100.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:188 Resp: 602153
Ion Ratio Lower Upper
188 100
94 13.7 10.2 15.2
80 15.1 10.7 16.1





#65

4,6-Dinitro-2-methylphenol

Concen: 4.709 ng

RT: 10.604 min Scan# 1419

Delta R.T. 0.171 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

Instrument :

BNA_F

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04

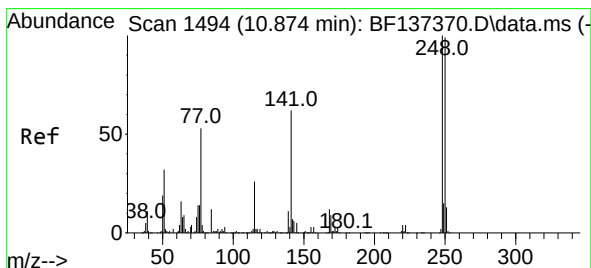
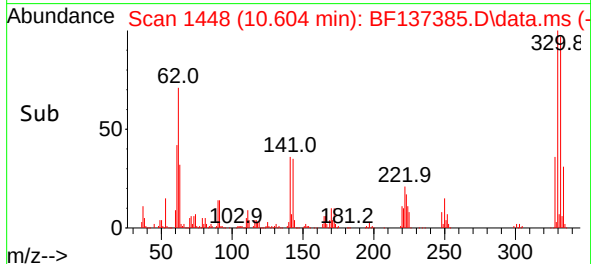
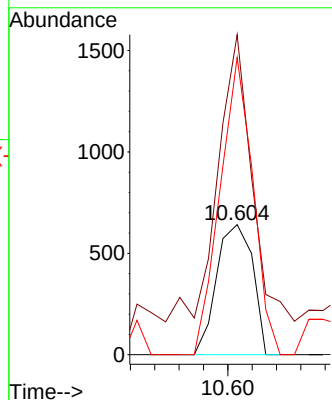
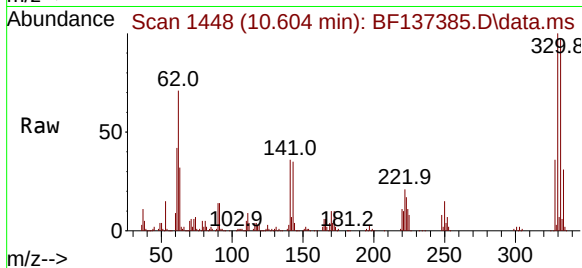
Tgt Ion:198 Resp: 660

Ion Ratio Lower Upper

198 100

51 245.8 36.8 76.8#

105 228.2 28.5 68.5#



#67

4-Bromophenyl-phenylether

Concen: 2.653 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.271 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

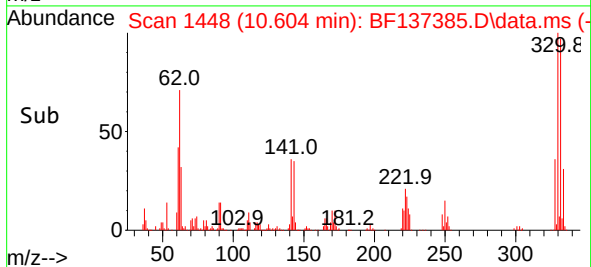
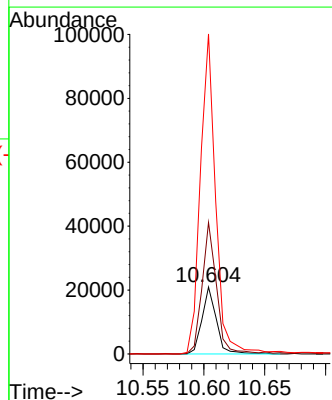
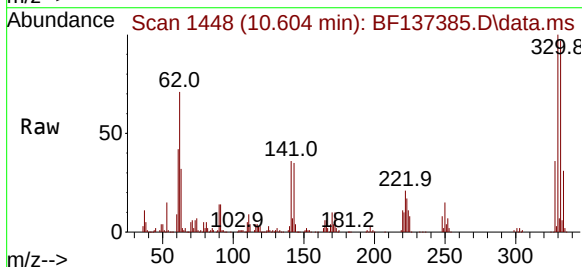
Tgt Ion:248 Resp: 17176

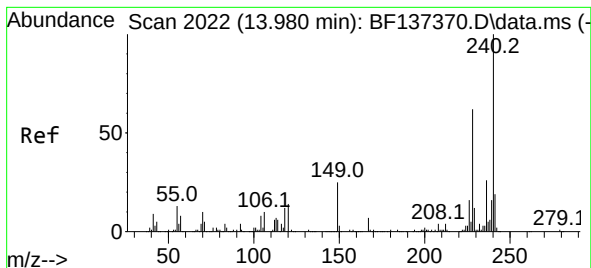
Ion Ratio Lower Upper

248 100

250 196.9 79.0 118.6#

141 479.0 49.9 74.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF137385.D

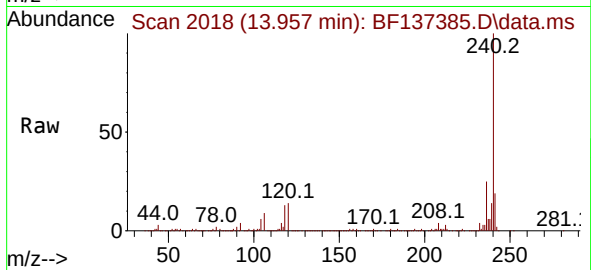
Acq: 26 Feb 2024 15:06

Instrument :

BNA_F

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04



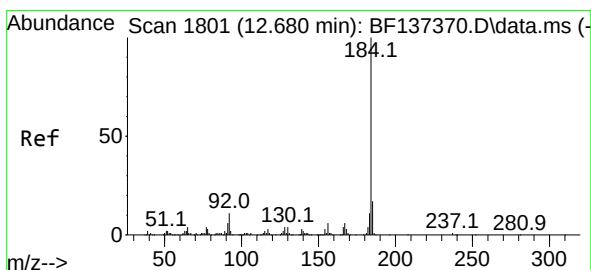
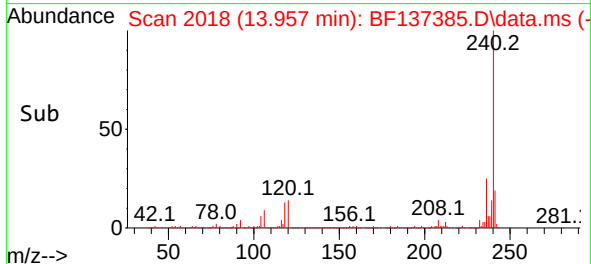
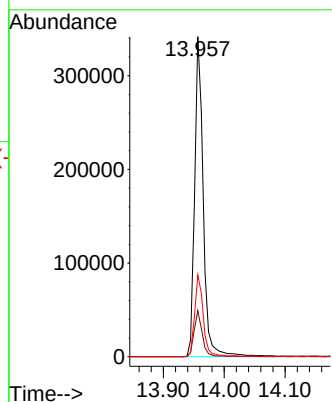
Tgt Ion:240 Resp: 337150

Ion Ratio Lower Upper

240 100

120 14.4 11.3 16.9

236 25.5 20.5 30.7



#77

Benzidine

Concen: 8.321 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.224 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

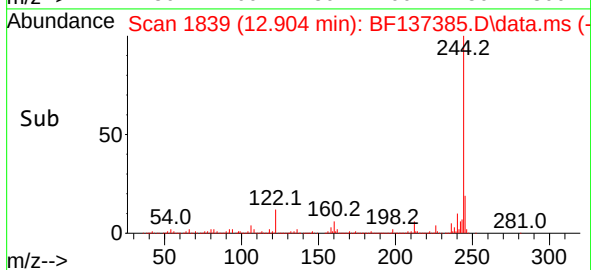
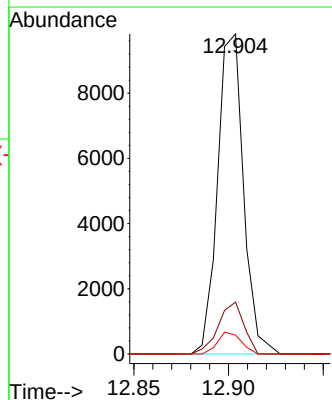
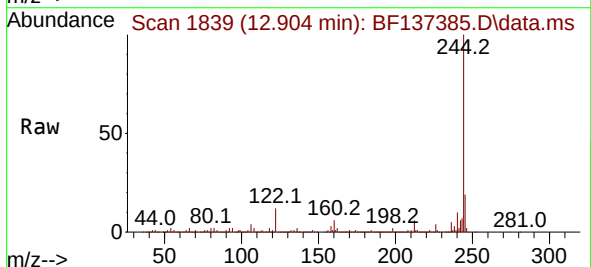
Tgt Ion:184 Resp: 9334

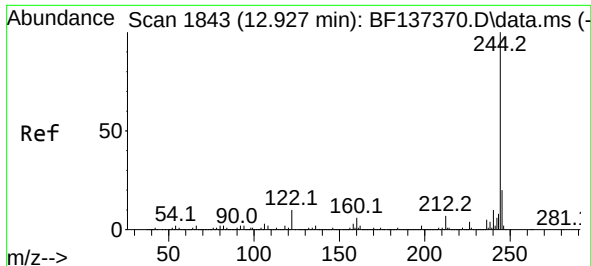
Ion Ratio Lower Upper

184 100

185 16.2 13.7 20.5

183 5.9 8.8 13.2#

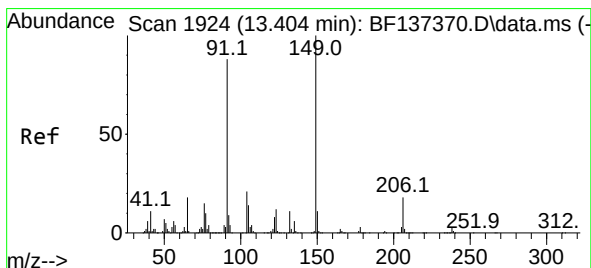
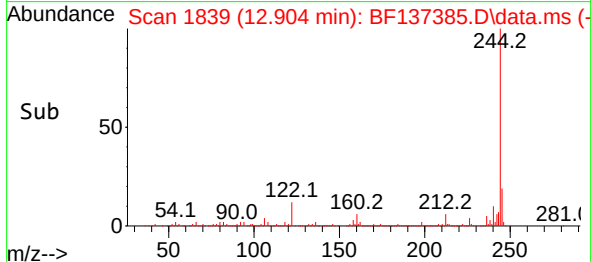
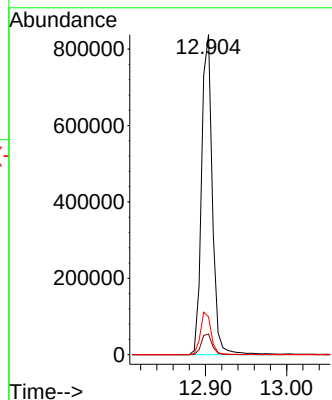
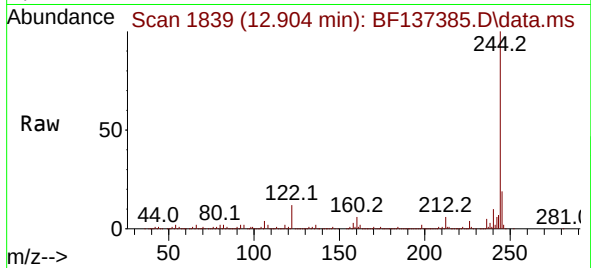




#79
 Terphenyl-d14
 Concen: 32.206 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.024 min
 Lab File: BF137385.D
 Acq: 26 Feb 2024 15:06

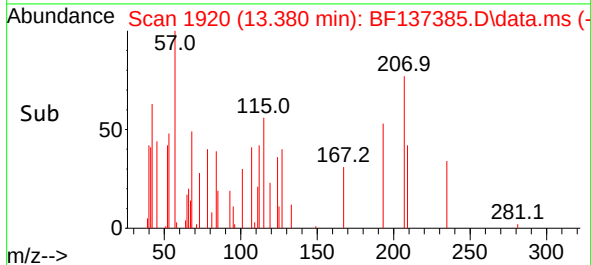
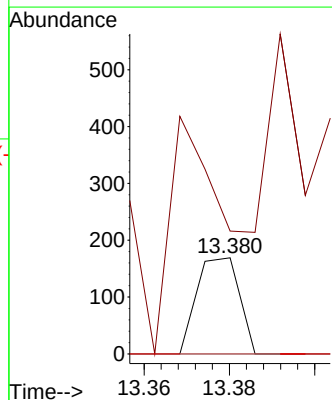
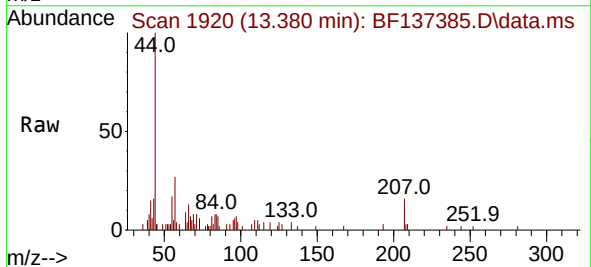
Instrument :
 BNA_F
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04

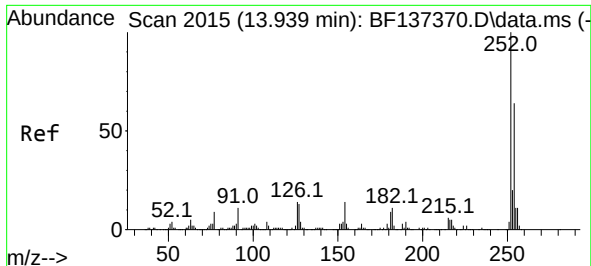
Tgt Ion:244 Resp: 776326
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 11.8 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 4.013 ng
 RT: 13.380 min Scan# 1920
 Delta R.T. -0.024 min
 Lab File: BF137385.D
 Acq: 26 Feb 2024 15:06

Tgt Ion:149 Resp: 117
 Ion Ratio Lower Upper
 149 100
 91 127.8 70.5 105.7#
 206 0.0 14.8 22.2#

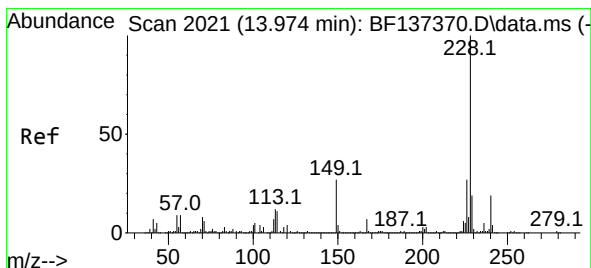
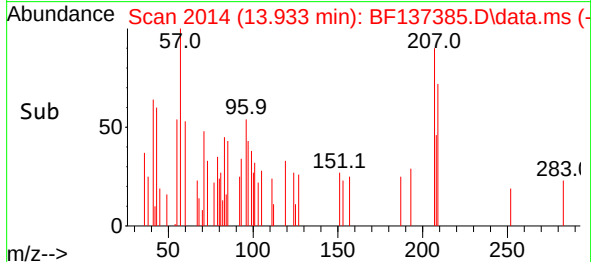
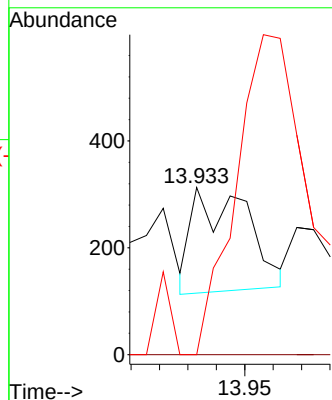
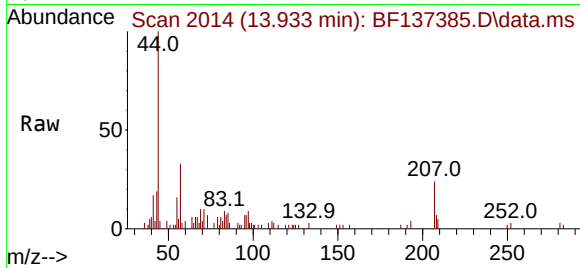




#82
3,3'-Dichlorobenzidine
Concen: 5.076 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

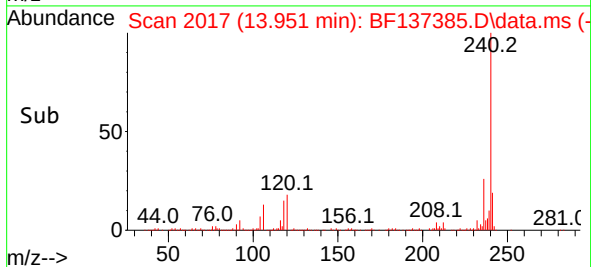
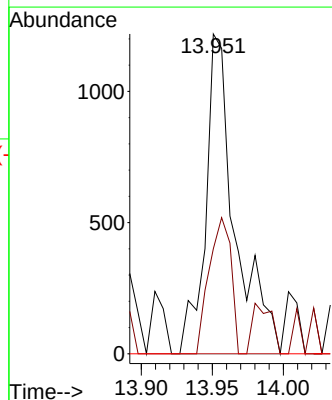
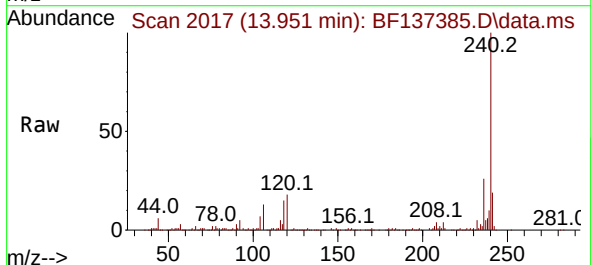
Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

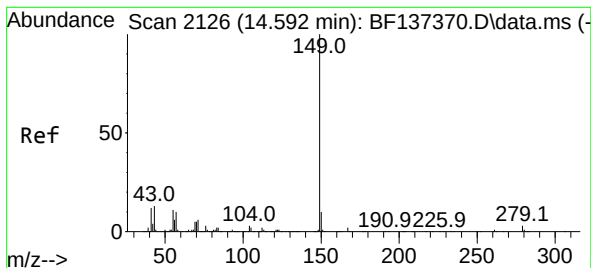
Tgt Ion:252 Resp: 262
Ion Ratio Lower Upper
252 100
254 0.0 51.2 76.8#
126 0.0 11.1 16.7#



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.424 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.023 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Tgt Ion:149 Resp: 1759
Ion Ratio Lower Upper
149 100
167 32.8 20.6 31.0#
279 0.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 6.009 ng

RT: 14.562 min Scan# 2126

Delta R.T. -0.030 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

Instrument :

BNA_F

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04

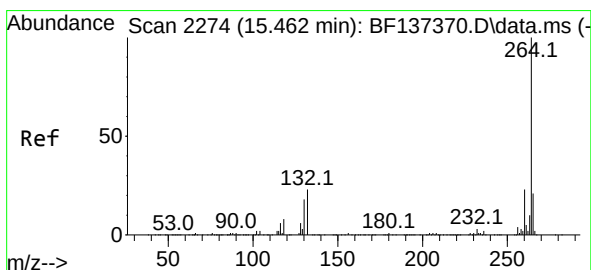
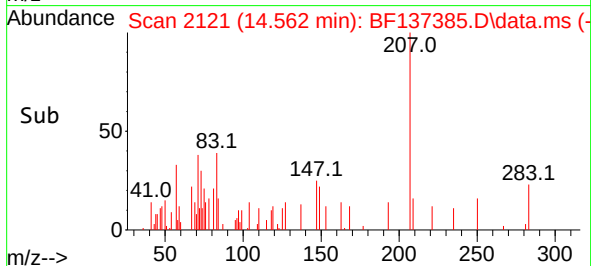
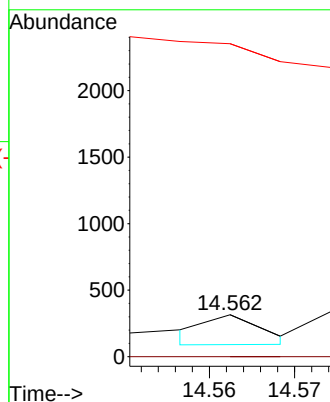
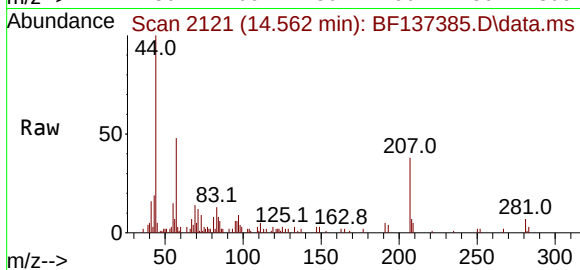
Tgt Ion:149 Resp: 101

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 13.7 20.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.024 min

Lab File: BF137385.D

Acq: 26 Feb 2024 15:06

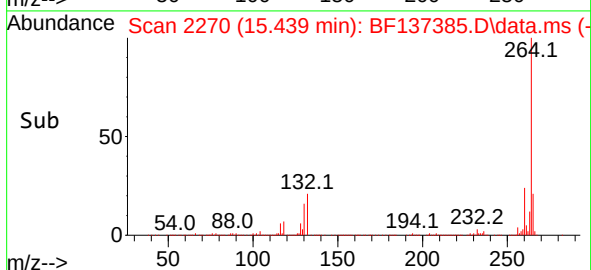
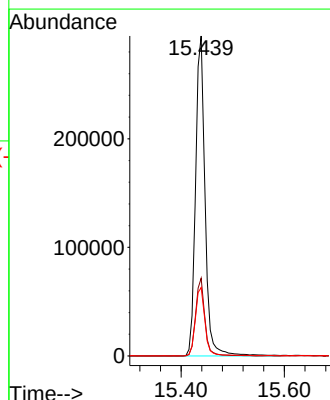
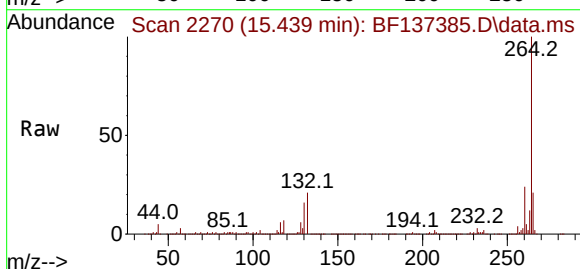
Tgt Ion:264 Resp: 377200

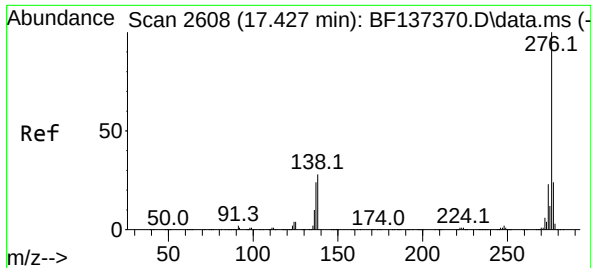
Ion Ratio Lower Upper

264 100

260 24.3 18.5 27.7

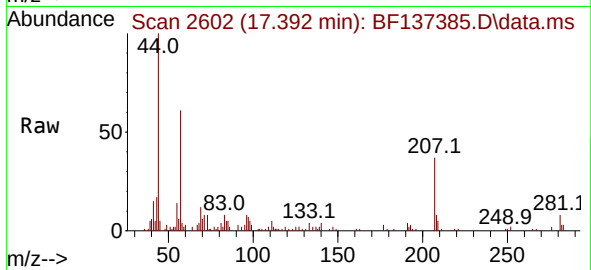
265 21.4 16.9 25.3





#92
Benzo(g,h,i)perylene
Concen: 2.100 ng
RT: 17.392 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF137385.D
Acq: 26 Feb 2024 15:06

Instrument :
BNA_F
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04



Tgt Ion:276 Resp: 709
Ion Ratio Lower Upper
276 100
277 0.0 19.0 28.4#
138 71.8 22.6 33.8#

